

Your oral presentation

1. Prepare a 5-5.5 minute talk; 1 minute for question.
I will ring a bell if you speak more than 5.5 minutes. Once you hear the sound, you should wrap up your story.
I will subtract 3 points if you speak less than 4 minutes.
2. Presentation format:
 - (1) Introduction: introduce your animals, why this project is interesting to you and its significance
 - (2) Observation results
 - (3) Hypothesis
 - (4) Experimental designs
 - (5) Experimental results (optional)
 - (6) Discussion: Do your results support your hypothesis? If not, provide alternative explanation.
 - (7) Conclusion and take home message
3. Speak to your audience (eye contact).
4. Organize your slides, make sure it flows well. Practice a few times
5. You will grade each other's presentation.

Format of your final report

1. Abstract (1 paragraph)
2. Introduction
3. Observation results
4. Hypotheses
5. Experimental designs
6. Results (or your **predictions**)
7. Discussion
8. References (optional)

1. Abstract

Abstract

The abstract succinctly introduces the paper.

It should mention why you study this topic; your observation and your hypothesis. without going into methodological detail and should summarize the most important results.

2. Introduction

The introduction should put the focus of your study into a broader context. Include a brief review of related studies (do internet literature search). The introduction should conclude with a brief statement of the significance of this project, why it is an interesting project to you? or why did you choose this animal?

3. Observation results

The results section should provide a few paragraph to briefly state the results of your observations (summarize your first report).

4. Questions and Hypotheses

Based on your observational data, come up with your questions and then the hypotheses.

- Multiple hypotheses (from one question) are strongly encouraged

4. Experimental designs

The experiments should be designed specifically to test the focal hypothesis.

4. Results (optional)

The results section should provide details of all of the experiments (or observations) that are required to support the conclusions of the study.

If you don't have the results, you can make predictions based on your hypotheses and experimental designs.

5. Discussion

The discussion should spell out the major conclusions of the work along with some explanation or speculation on the significance of these conclusions. Conclusions firmly established by the presented data, under what circumstances the hypotheses will be supported or rejected by the presented data.

6. References

1. Sanger F, Nicklen S, Coulson AR (1977) DNA sequencing with chain-terminating inhibitors. Proc Natl Acad Sci U S A 74: 5463-5467..

Your final report will be graded based on....

1. follow format? (30%)
2. hypotheses testable? (10%)
3. experimental designs (25%)
4. logical reasoning? (25%)
5. writing organized? (10%)